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>Title: **JP4206366A2: FLAT BATTERY**

Country: JP Japan.

Kind: A

Inventor: NAKAI KENJI;  
HIGASHIMOTO KOJI;  
HIRONAKA KENSUKE;  
HAYAKAWA TAKUMI;  
KOMAKI AKIO;  
NAKANAGA TAKEFUMI;  
TANIGUCHI MASATOSHI;



Assignee: SHIN KOBE ELECTRIC MACH CO LTD.  
OTSUKA CHEM CO LTD.  
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1992-07-28 / 1990-11-30

Application Number: JP1990000333743

IPC Code: H01M 10/40; H01M 4/02;

Priority Number: 1990-11-30 JP1990000333743

Abstract:

... PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally, forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material...

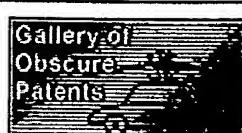
... CONSTITUTION: On a stainless foil used as both a battery sheath and a collector 1, an aqueous solution of vanadium pentoxide which is a positive electrode material 2 is finely applied by means of screen printing, dried and heated. For example, a 1,2-dimethoxyethane(DME) solution of a polyphosphadine derivative in which 1mol/l of lithium perchlorate is dissolved is applied thereon by means of screen printing, and the DME is evaporated to form a solid electrolyte 3. A metal lithium foil is stuck thereon as a negative electrode active material 4, and further covered with the stainless foil of a collector 1', and the peripheral part is thermally fused by a sealing material 5 such as a modified polyethylene resin and sealed. Thus, the aggravation of the battery performance can be prevented...

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Family: None

Other Abstract: None

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Family: None

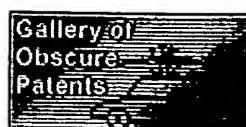
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(19)

(11) Publication number:

**04**

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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **02333743**(51) Int'l. Cl.: **H01M 10/40 H01M 4/02**(22) Application date: **30.11.90**

(30) Priority:

(43) Date of application publication: **28.07.92**

(84) Designated contracting states:

(71) Applicant: **SHIN KOBE ELECTRIC LTD.  
OTSUKA CHEM CO LTD**(72) Inventor: **NAKAI KENJI  
HIGASHIMOTO KOJI  
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KOMAKI AKIO  
NAKANAGA TAKEFUMI  
TANIGUCHI MASATOSHI**

(74) Representative:

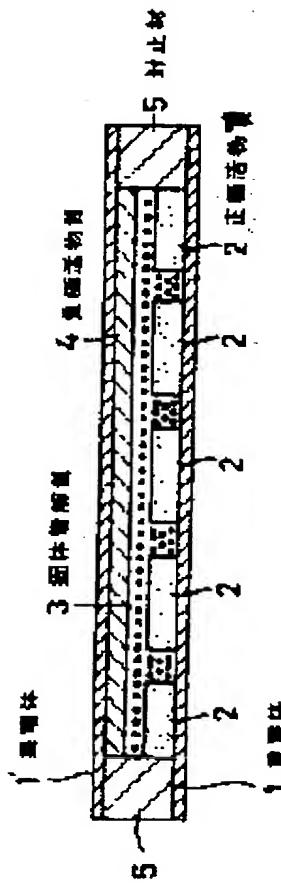
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